

RESOLUTION NO. R-163-17

**A RESOLUTION APPROVING AND AUTHORIZING
IMPLEMENTATION OF THE FIVE YEAR (2018-2022)
SALES TAX PROGRAM FOR STREETS, BRIDGES
AND ASSOCIATED DRAINAGE IMPROVEMENTS**

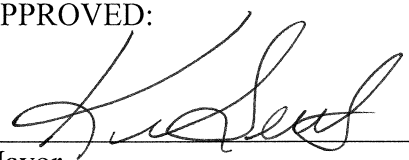
BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE CITY OF FORT SMITH, ARKANSAS THAT:

SECTION 1: The Five Year (2018-2022) Sales Tax Program for streets, bridges and associated drainage improvements as identified and specified in the attachment hereto is hereby approved.

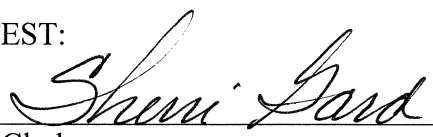
SECTION 2: The staff is directed to proceed with implementation of the 2018 Sales Tax Program.

This Resolution adopted this 17th day of November, 2017.

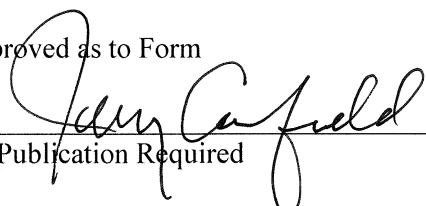
APPROVED:


Vice-Mayor

ATTEST:


City Clerk

Approved as to Form


No Publication Required

CITY OF FORT SMITH

9/22/17

Five-Year Capital Improvement Program for Streets, Bridges and Drainage (2018-2022)

		2017	2018	2019	2020	2021	2022
	Beginning Balance	24,391,814	22,624,373	15,145,260	7,879,055	6,922,465	6,056,744
	Current Year Revenues						
	Sales Tax	21,392,528	21,606,453	21,822,518	22,040,743	22,261,150	22,483,762
	Grants/Other Participation	6,328,910	724,000	0	0	0	0
	Interest	99,542	92,383	57,417	36,912	32,367	16,782
	Total - Current Year Revenues	27,820,980	22,422,836	21,879,935	22,077,654	22,293,517	22,500,544
	Total Funds Available	52,212,794	45,047,210	37,025,194	29,956,710	29,215,982	28,557,288
1	Street Overlays & Reconstruction	7,339,397	4,693,491	9,123,739	9,000,000	9,000,000	9,000,000
2	Neighborhood Drainage Improvements	3,548,720	8,378,659	3,812,900	2,000,000	2,000,000	2,000,000
3	North B Truck Route Modifications	0	1,044,000	700,000	0	0	0
4	Intersection and Signal Improvements	291,500	2,240,000	400,000	400,000	400,000	400,000
5	Spradling Extension at Riverfront Drive	905,211	0	0	0	0	0
6	Kelley Highway Extension to Riverfront Drive	142,959	163,000	500,000	600,000	4,000,000	8,700,000
7	Jenny Lind Road - Zero to Cavanaugh	12,405,000	5,630,000	0	0	0	0
8	Geren Road Reconstruction	160,000	1,540,000	5,000,000	0	0	0
9	Zero Street (Hwy 255) Widening	800,000	0	4,000,000	0	0	0
10	FCRA Development	57,562	1,800,000	1,900,000	500,000	500,000	500,000
11	May Branch / Town Branch Drainage Project	200,000	500,000	500,000	4,000,000	4,000,000	4,000,000
12	Hwy 45 widening - Zero St to Hwy 71	700,000	0	0	3,300,000	0	0
13	Railroad Crossing Panels	30,000	375,000	160,000	160,000	160,000	160,000
14	Traffic Studies	28,853	25,000	25,000	25,000	25,000	25,000
15	Asphalt Surface Treatments	0	500,000	0	0	0	0
16	Street/Drainage by Street Operations Dept.	387,709	350,000	350,000	350,000	350,000	350,000
17	Contingency	176,509	212,800	200,000	200,000	200,000	200,000
	SUBTOTAL	27,173,421	27,451,950	26,671,639	20,535,000	20,635,000	25,335,000
18	Indirect and Operating Costs	2,415,000	2,450,000	2,474,500	2,499,245	2,524,237	2,549,480
	TOTAL	29,588,421	29,901,950	29,146,139	23,034,245	23,159,237	27,884,480
	Ending Balance	22,624,373	15,145,260	7,879,055	6,922,465	6,056,744	672,808

Grants/Other Participation

Jenny Lind Road - Zero to Cavanaugh	6,328,910	0	0	0	0	0
FCRA	0	724,000	0	0	0	0
TOTAL	6,328,910	724,000	0	0	0	0

Five Year Capital Improvement Program (2018-2022)
Streets, Bridges and Drainage Sales Tax Funds

Descriptions of Selected Projects
September 22, 2017

1. Street Overlays and Reconstruction. The total length of streets proposed to be improved is approximately 7.9 miles as shown on the attached list and exhibits. The estimated cost for the 2018 street overlays and reconstruction projects totals \$9.1 million, with an estimated \$1.0 mil expended in 2018 and \$8.1 mil expended in 2019. The total cost shown in 2018 is \$4.7 million which includes \$3.7 million in remaining construction for the 2017 projects. (See pages 5-10)

2. Neighborhood Drainage Improvements. The 2018 drainage program includes drainage improvements at two areas shown on the attached list and exhibits. One project is associated with the structure flooding of two properties and the other project is replacement of a large double metal corrugated culvert that has the bottom rusted through. The total estimated cost for this work is \$900,000 which is programed to be expended in 2018. The total cost shown in 2018 is \$8.4 million which includes \$7.5 million in remaining work for ongoing drainage projects. (See pages 11-13)

3. North B Street Truck Route. This project is the modification of North B Street from 5th Street west to Riverfront Drive to accommodate two way truck traffic. This is in lieu of the current one way split that exists along these sections of North A and B Streets. The project is based on the concept of closing and removing sections of North A Street and Belle Point Place to add more green space. The project includes the required large truck turning radius improvements at North 5th and B Streets and reconstruction/resurfacing of the remaining sections of North A Street which are being removed from the truck route. This project is currently on hold pending completion of a downtown traffic impact study to be completed in 2018 by the 64.6 Downtown group and the Frontier Metropolitan Planning Organization. (See page 14)

4. Intersection and Signal Improvements. This project includes replacement of traffic signals at the following two intersections: Grand Avenue at North 32nd Street and Grand Avenue at North 39th Street at an estimated cost of \$400,000. (See page 15) This item also includes intersection improvements as identified below.

North 50th Street at Kelley Highway - This project includes the widening of North 50th Street to allow for a center left turn lane extending approximately 800 feet north of Kelley Highway. It also includes reworking of the driveway to Sutton Elementary School so that is located further away from the intersection with Kelley Highway. Estimated cost for this work is \$900,000. (See page 16)

South 66th Street at Phoenix Avenue - This project includes widening of South 66th Street to allow for a center left turn lane extending approximately 400 feet north of Phoenix Avenue. Estimated cost for this work is \$400,000. (See page 16)

Zero Street (Hwy 255) at Massard Road - This project includes widening of Zero Street for approximately 600 feet to extend the existing eastbound right turn lane to Massard Road. The pavement section is being designed to accommodate the major widening of Hwy 255 by ArDOT which is scheduled to begin in 2020. Estimated cost for this work is \$250,000. (See page 17)

The total cost shown in 2018 is \$2,240,000 which includes \$900,000 in remaining work for ongoing traffic signal projects.

5. Spradling Avenue Extension at Riverfront Drive. This project included the new construction of Spradling Avenue eastward from Riverfront Drive approximately 1700 feet. This street serves the sports fields on the City's 51 acre tract. The construction of this section of Spradling Avenue was completed in June. (See page 18)

6. Kelley Highway Extension to Riverfront Drive. This project is for the reconstruction and widening of Kelley Highway to a three lane section from Midland Boulevard to Riverfront Drive. This extension of Kelley Highway will provide a direct route between I-540 and the riverfront area. The engineering design is approximately 70% complete. The design will be completed in 2018, with ROW acquisition and utility relocation following in 2019 and 2020. Construction is scheduled to begin in 2021. (See page 18)

7. Jenny Lind Road - Zero to Cavanaugh Road. This project includes improvements to Jenny Lind Road between Zero and Cavanaugh Road. It also includes improvements to Ingersoll Avenue from U.S. Hwy 271 to Jenny Lind and the extension of Ingersoll Avenue from Jenny Lind to U.S. Highway 71B. The project is approximately two thirds complete with construction and scheduled for completion in spring 2018. (See page 19)

8. Geren Road Reconstruction. This project is for the reconstruction and widening of Geren Road between Highway 45 and 58th Street. Plans are 90% complete with right of way acquisition remaining. This project has significant utility adjustments which include a major electric transmission line along the south, a high pressure gas line along the north side and fiber optic lines throughout the corridor. Relocation of the franchise utilities have been ongoing this past year. Road construction is scheduled to begin in late 2018 and extend into 2019. (See page 20)

9. Zero Street (Hwy 255) Improvements. This project is the widening and realignment of Zero Street (Hwy 255) from just west of Massard Road to its new alignment with Frontier Road. The project is being cost shared with the Arkansas Department of Transportation Department

(ArDOT), City of Barling, Fort Chaffee Redevelopment and City of Fort Smith. Construction is expected to begin in 2020. (See page 21)

10. FCRA (Fort Chaffee Redevelopment Authority) Development. This work includes the construction of the additional two lanes to complete the four lane boulevard section of Massard Road extending south of Zero Street approximately 5600 feet. The project also includes the installation of a traffic signal at the intersection of Massard Road and McClure Drive. (See page 21)

11. May Branch Drainage Project. This project is to reduce flooding along May Branch from the Arkansas River to Park Avenue. The proposed design by the Corps of Engineers (COE) consists of constructing a drainage channel to replace the existing undersized concrete storm drain pipe. The intent was to construct the most downstream section of the project (from approximately N. 7th Street to the river) entirely with City funds with an agreement that the City's cost would be credited towards the future cost sharing on the project when federal funds become available. However, the COE advised that their revised estimated cost for this lower reach is over \$32 million and it is very unlikely that the City would receive any federal credit as the cost to benefit ratio is not greater than one. The COE also noted that extrapolating this lower reach cost estimate to the overall project cost results in a total revised estimated cost of \$65 million which is more than double the \$30.85 million authorized for the project. We are currently revisiting in detail the COE design to look for possible significant cost reductions and also to review alternative methods to reduce the flooding including potential stormwater detention ponds and/or purchasing of repetitive flooding properties. This evaluation is expected to be completed in the next couple of months. The proposed CIP still contains funding for the May Branch project in the amount of approximately \$13 million. Once the evaluation is completed it will provide guidance on how to proceed. (See page 22)

12. Highway 45 widening – Hwy 255 to Hwy 71. This project is for the widening of Highway 45 between Highway 255 (Zero Street) and Highway 71. The project also includes the installation of a traffic signal at the intersection of Highway 45 and Planters Road. This project is a collaboration between the City of Fort Smith, Sebastian County and the Arkansas Department of Transportation (ArDOT). Construction is expected to begin in 2020. ArDOT's cost estimate for the total project is \$16 million. The City and Sebastian County are providing funding in not to exceed total amounts of \$4.0 million and \$1.1 million, respectively. (See page 23)

13. Railroad Crossing Panels. This project improves street crossings at railroads through the installation of concrete railroad crossing panels. For 2018, improvements at five railroad crossings are proposed. The locations are High Street between Boone Avenue and Midland Boulevard (3 crossings) and South I Street east of Wheeler Avenue (2 crossings). (See pages 24-25)

15. Asphalt Service Treatments. This project includes various asphalt service treatments to extend the life of the street surface. This may include treatments such as crack and fog sealing, slurry seal, micro surfacing, micro paving and scrub seal. Streets will be determined at a later date and the applicable surface treatment installed.

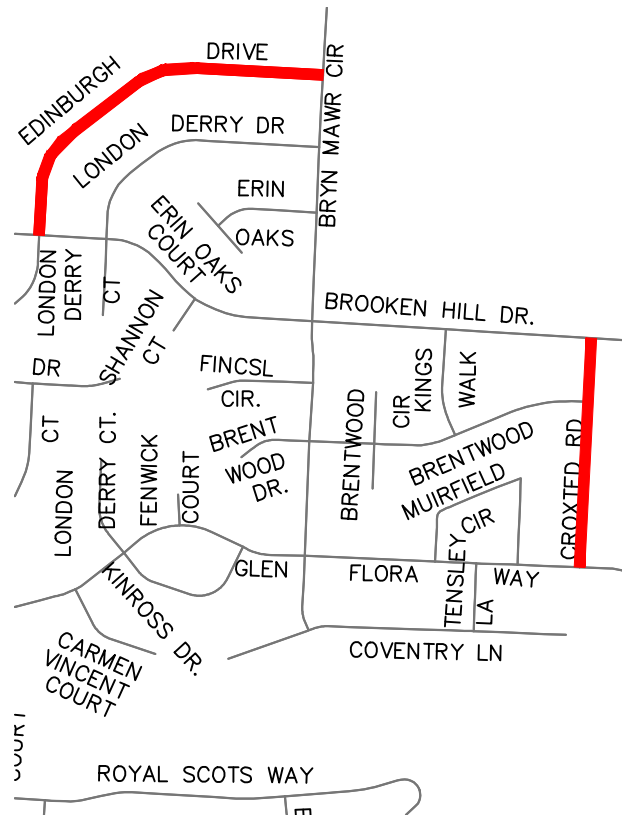
18. Indirect and Operating Costs. This item includes indirect and operating costs associated with the implementation of the street and drainage sales tax capital improvement program. This includes costs encountered by City Engineering, Information and Technology Systems, Finance, Planning and Zoning, City Administrator, Human Resources, Purchasing, Internal Audit, Collections, City Clerk, Board of Directors and the Accounting Systems / ERP.

Grants/Other Participation

This includes \$6.3 million in federal reimbursement for the Jenny Lind Road and Ingersoll Avenue project. It also includes reimbursement estimated at \$724,000 from the Fort Chaffee Redevelopment Authority (FCRA) for half of the resurfacing costs of Wells Lake Road.

2018 CAPITAL IMPROVEMENTS PROGRAM STREET OVERLAYS/RECONSTRUCTION

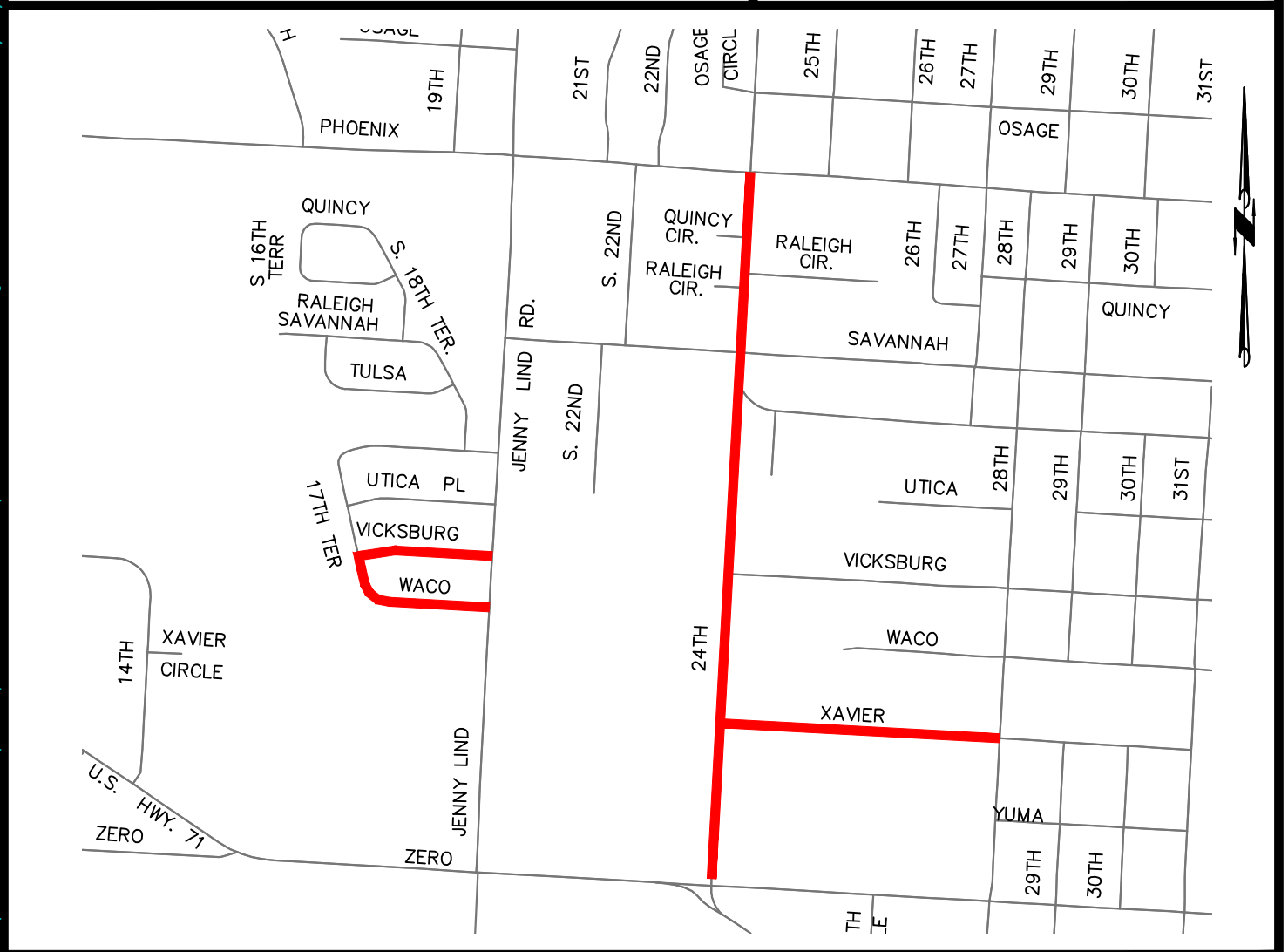
STREET	FROM	TO	LENGTH	COST
10TH ST.	CRESTON ST.	END OF ROAD	650	\$128,917
BOYS CLUB LN.	END OF ROAD	END OF ROAD	1,109	\$272,321
BRAZIL AVE.	JENNY LIND RD.	BOYS CLUB LN.	285	\$64,600
JENNY LIND RD.	AMHEARST CR.	CAVANAUGH RD.	655	\$222,700
EDINBURGH DR.	BROOKEN HILL DR.	BRYN MAWR CR.	1,823	\$464,865
CROXTED RD.	GLEN FLORA WAY	BROOKEN HILL DR.	1,089	\$277,695
ATLANTA ST.	TOWSON AVE.	14TH ST.	672	\$114,240
COUNTRY CLUB AVE.	JENNY LIND RD.	END OF ROAD	733	\$110,764
60TH ST.	BOSTON ST.	ATLANTA ST.	303	\$51,510
ATLANTA ST.	60TH ST.	END OF ROAD	172	\$43,860
59TH ST.	DALLAS ST.	BOSTON ST.	510	\$130,050
DALLAS ST.	58TH ST.	END OF ROAD	896	\$228,480
VICKSBURG ST.	17TH TER.	JENNY LIND RD.	754	\$185,149
WACO ST.	17TH TER.	JENNY LIND RD.	728	\$185,640
17TH TER.	WACO ST.	VICKSBURG ST.	179	\$45,645
24TH ST.	ZERO ST.	PHOENIX AVE.	4,001	\$925,225
XAVIER ST.	24TH ST.	28TH ST.	1,579	\$268,430
NORTH ST.	29TH ST.	31ST ST.	650	\$110,500
31ST ST.	6TH ST.	SPRADLING AVE.	1,354	\$230,180
50TH ST.	SPRADLING AVE.	MIDLAND BLVD.	3,026	\$628,736
WARNER ST.	N 33RD ST.	N 34TH ST.	319	\$48,204
CARNES AVE.	N 32ND ST.	N 34TH ST.	636	\$108,120
N 34TH ST.	CARNES	DIVISION ST.	877	\$99,393
SKYWOOD DR.	N 50TH ST.	N 46TH TERRACE	1,468	\$374,340
N 48TH CIRCLE	SKYWOOD DR.	END OF ROAD	179	\$45,645
N 4TH ST.	N B ST.	N F ST.	1,046	\$296,367
S 9TH ST.	SOUTH A ST.	SOUTH D ST.	1,050	\$297,500
S E ST.	WHEELER AVE.	END OF ROAD	1,863	\$422,280
41ST ST.	FREE FERRY LN.	PARK AVE.	853	\$145,010
FREE FERRY LN.	41ST ST.	ALBERT PIKE AVE.	500	\$85,000
N 46TH ST.	PARK AVE.	END OF ROAD	639	\$108,630
SOUTH U ST.	HENDRICKS BLVD.	40TH ST.	653	\$111,010
SOUTH Y ST.	STATE LINE RD.	WHEELER AVE.	2,000	\$491,111
WELLS LAKE RD.	BOST DR.	FRONTIER BLVD.	6,970	\$1,448,211
FT. CHAFFEE BLVD.	WARD AVE.	TAYLOR AVE.	800	\$188,889
WARD AVE.	TAYLOR AVE.	FT. CHAFFEE BLVD.	670	\$164,522
TOTAL LENGTH (FT)			41,691	
TOTAL LENGTH (MILES)			7.9	
TOTAL FOR 2018 STREET OVERLAYS/RECONSTRUCTION PROGRAM				\$9,123,739



2018 CAPITAL IMPROVEMENTS PROGRAM
STREET OVERLAYS



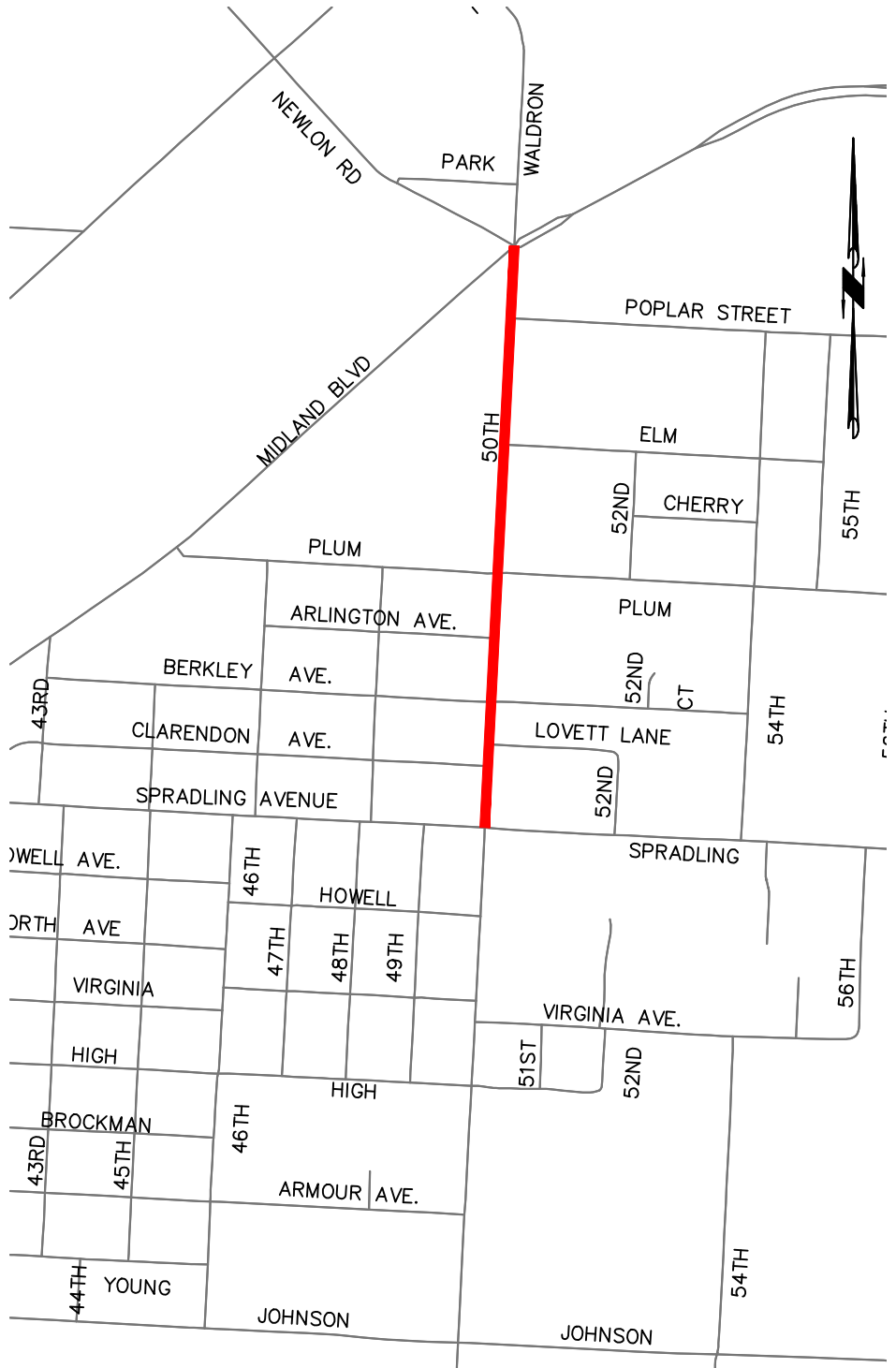
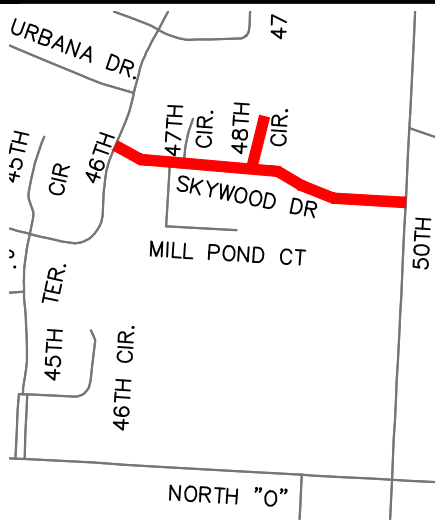
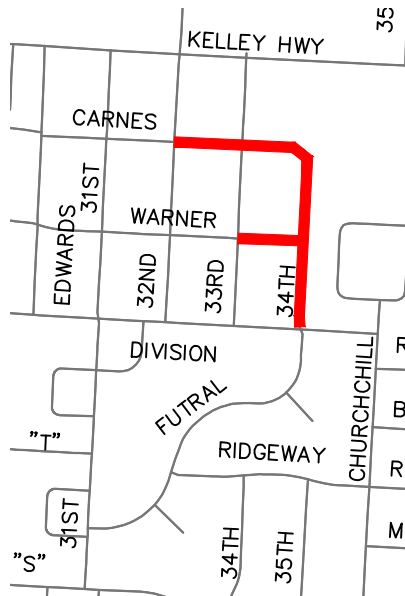
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2018 CAPITAL IMPROVEMENTS PROGRAM
STREET OVERLAYS



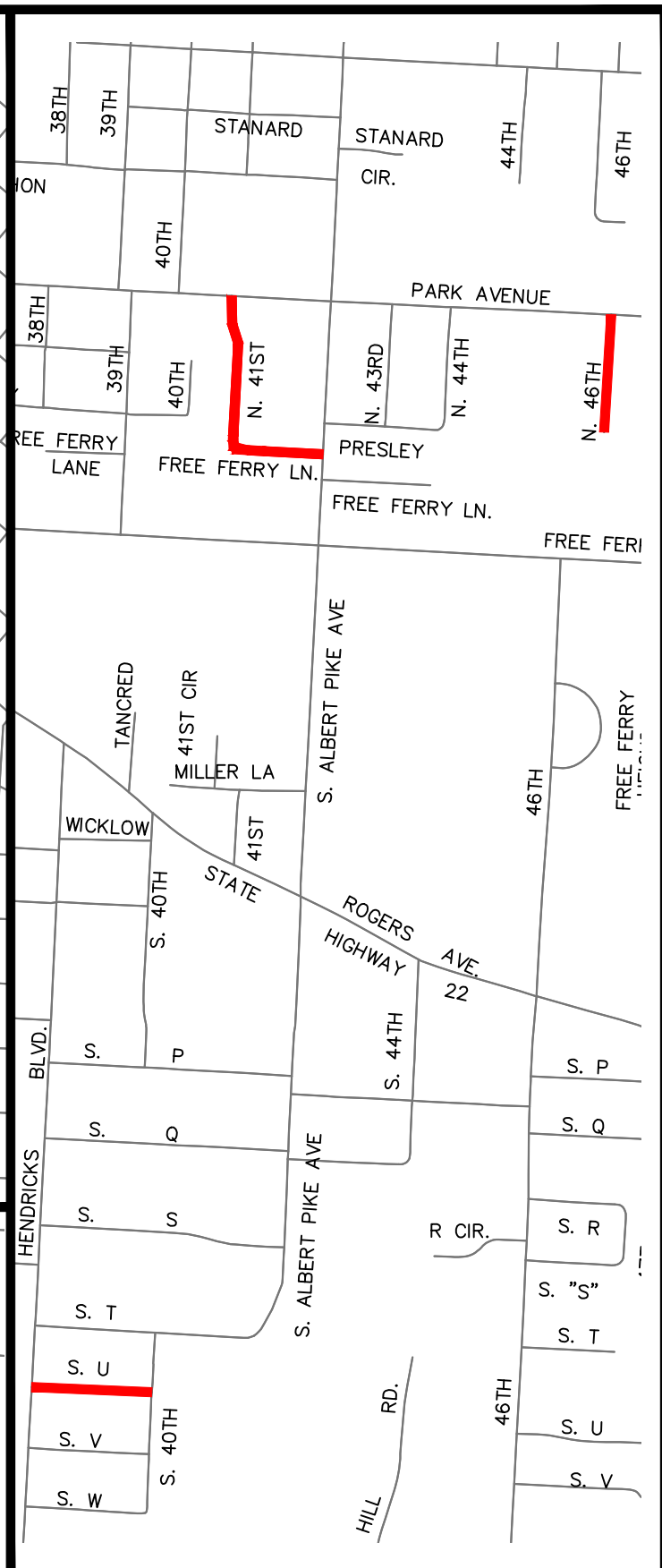
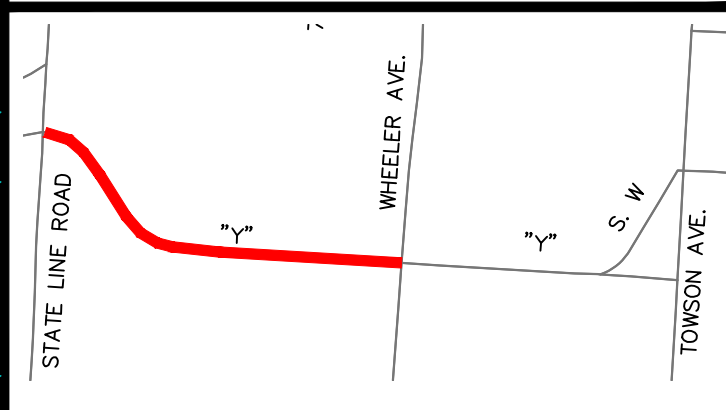
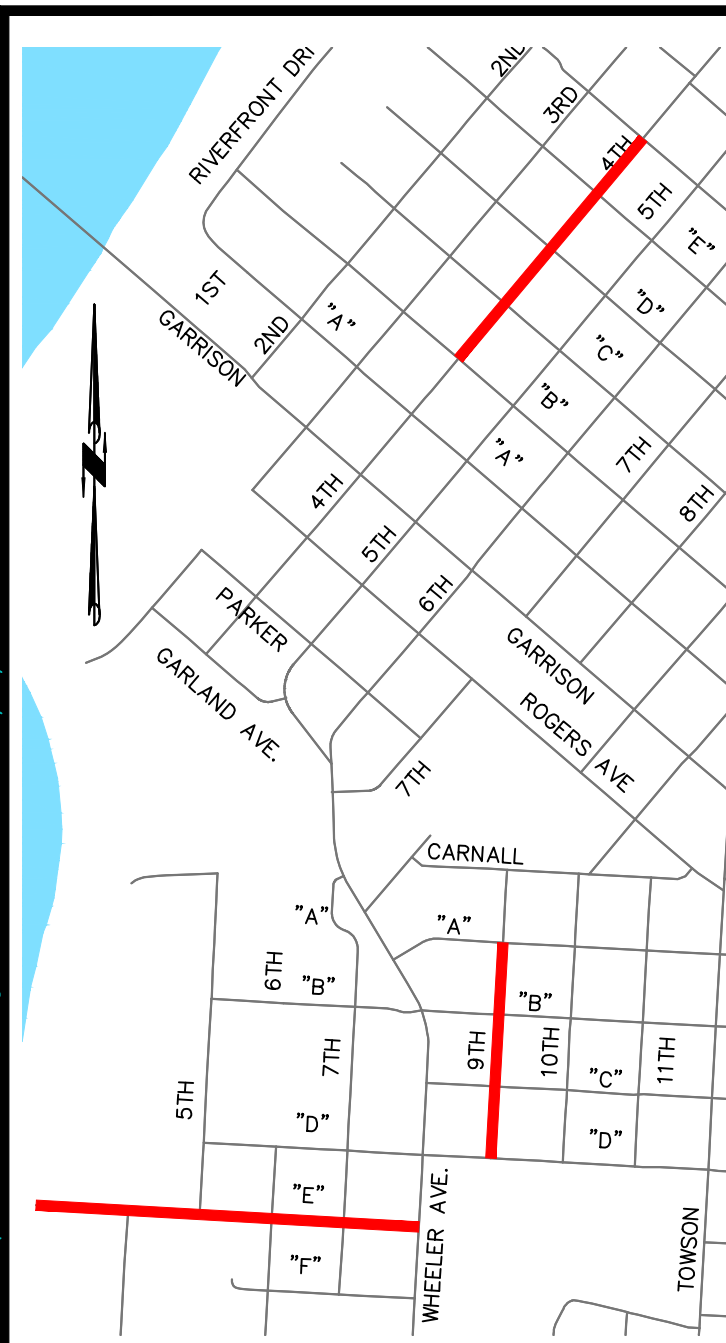
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2018 CAPITAL IMPROVEMENTS PROGRAM
STREET OVERLAYS



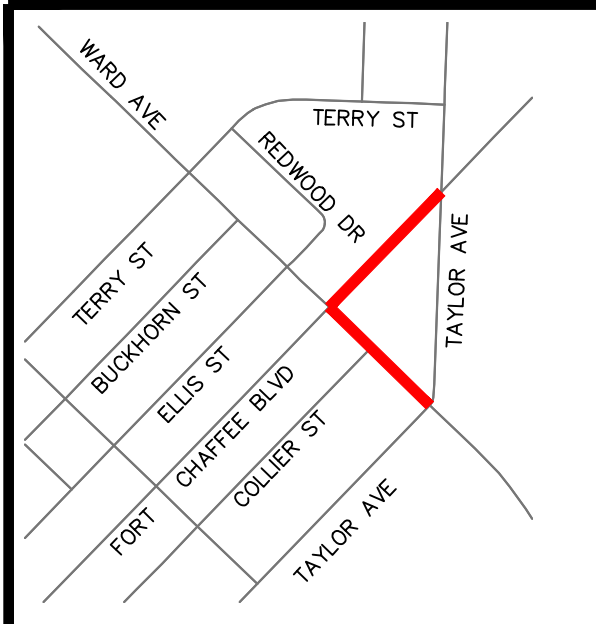
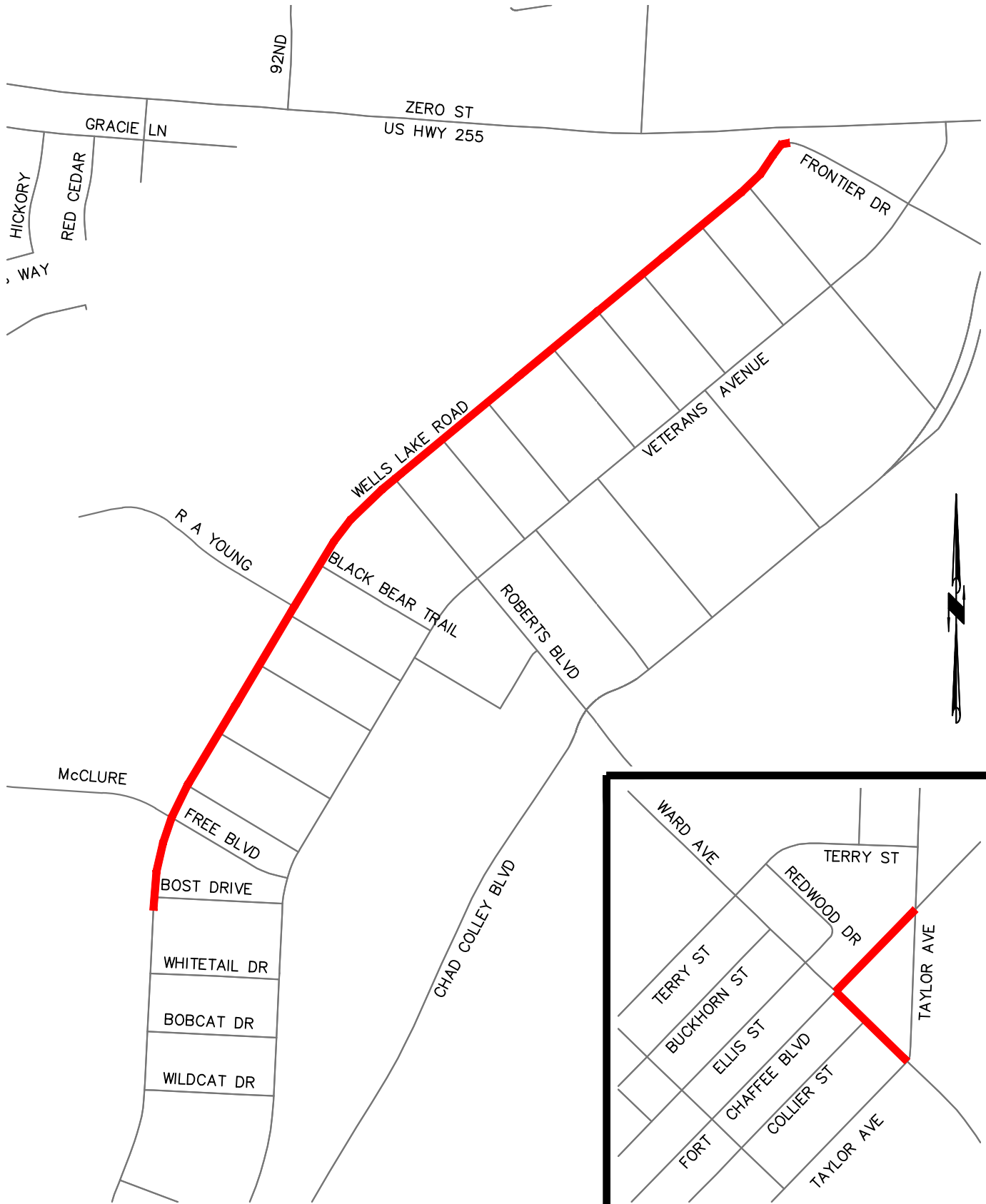
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2018 CAPITAL IMPROVEMENTS PROGRAM
STREET OVERLAYS



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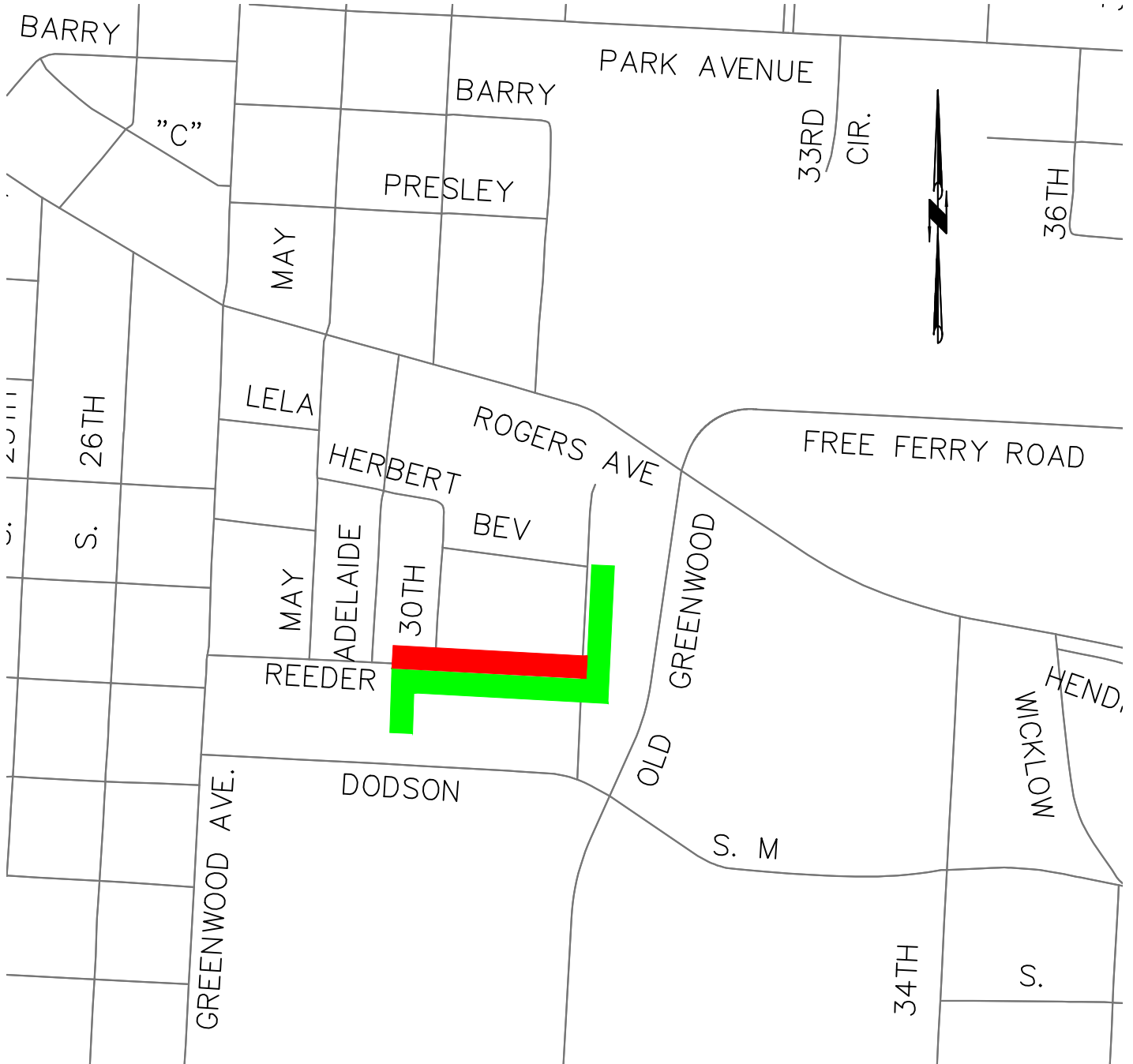
2018 CAPITAL IMPROVEMENTS PROGRAM
STREET OVERLAYS



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Date:	Sept. 2017
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2018 Neighborhood Drainage Projects

Project	Estimated Cost
2830 and 2834 Reeder Street This project will add storm drains to intercept runoff along Reeder Street extending to South 31st Street. Two houses are experiencing flooding and severe yard flooding is also occurring. The project also includes the resurfacing of approximately 700 feet of Reeder Street. (See page 12)	\$600,000
Division Street and Churchill Road This project will replace approximately 220 feet of Double 79" x 49" double corrugated metal culverts that have rusted through with a concrete box culvert. (See page 13)	\$300,000
Total	\$900,000



STREET OVERLAY



DRAINAGE IMPROVEMENTS

2018 CAPITAL IMPROVEMENTS PROGRAM
DRAINAGE IMPROVEMENTS



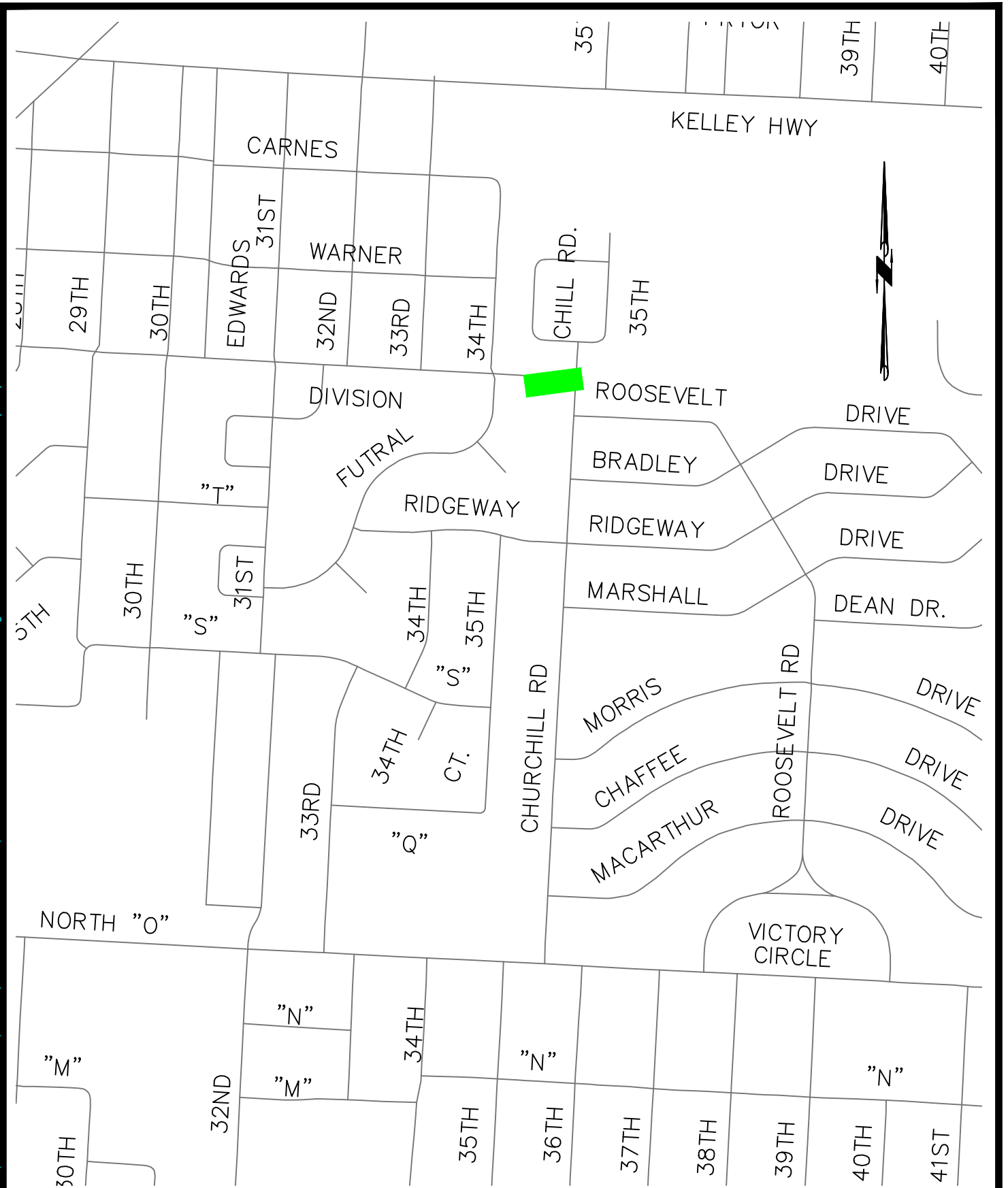
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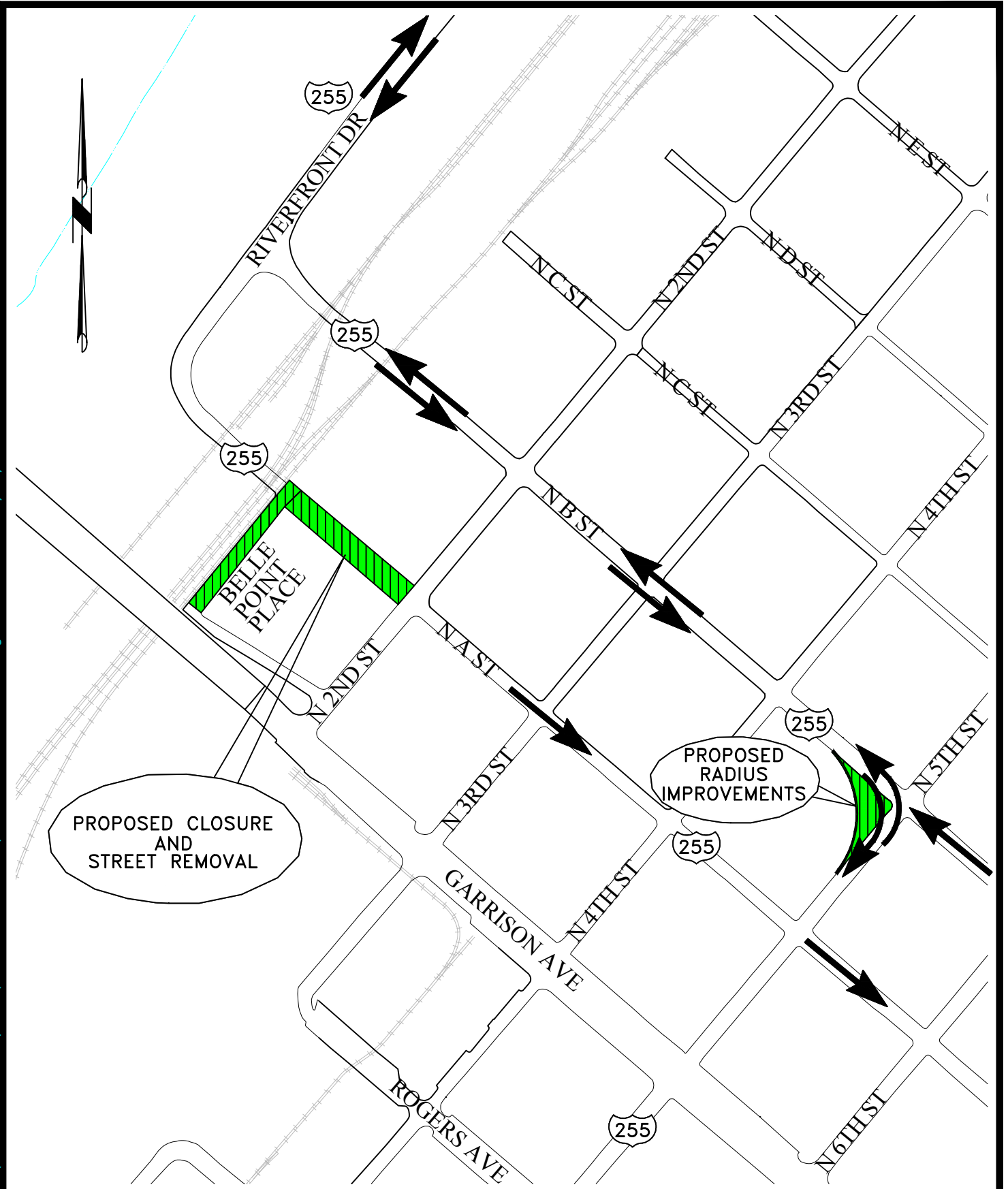
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2018 CAPITAL IMPROVEMENTS PROGRAM
DRAINAGE IMPROVEMENTS



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2018 CAPITAL IMPROVEMENT PROGRAM
NORTH B TRUCK ROUTE
FORT SMITH, ARKANSAS



Project:

Date: Sept. 2017

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2018 CAPITAL IMPROVEMENTS PROGRAM
SIGNAL IMPROVEMENTS



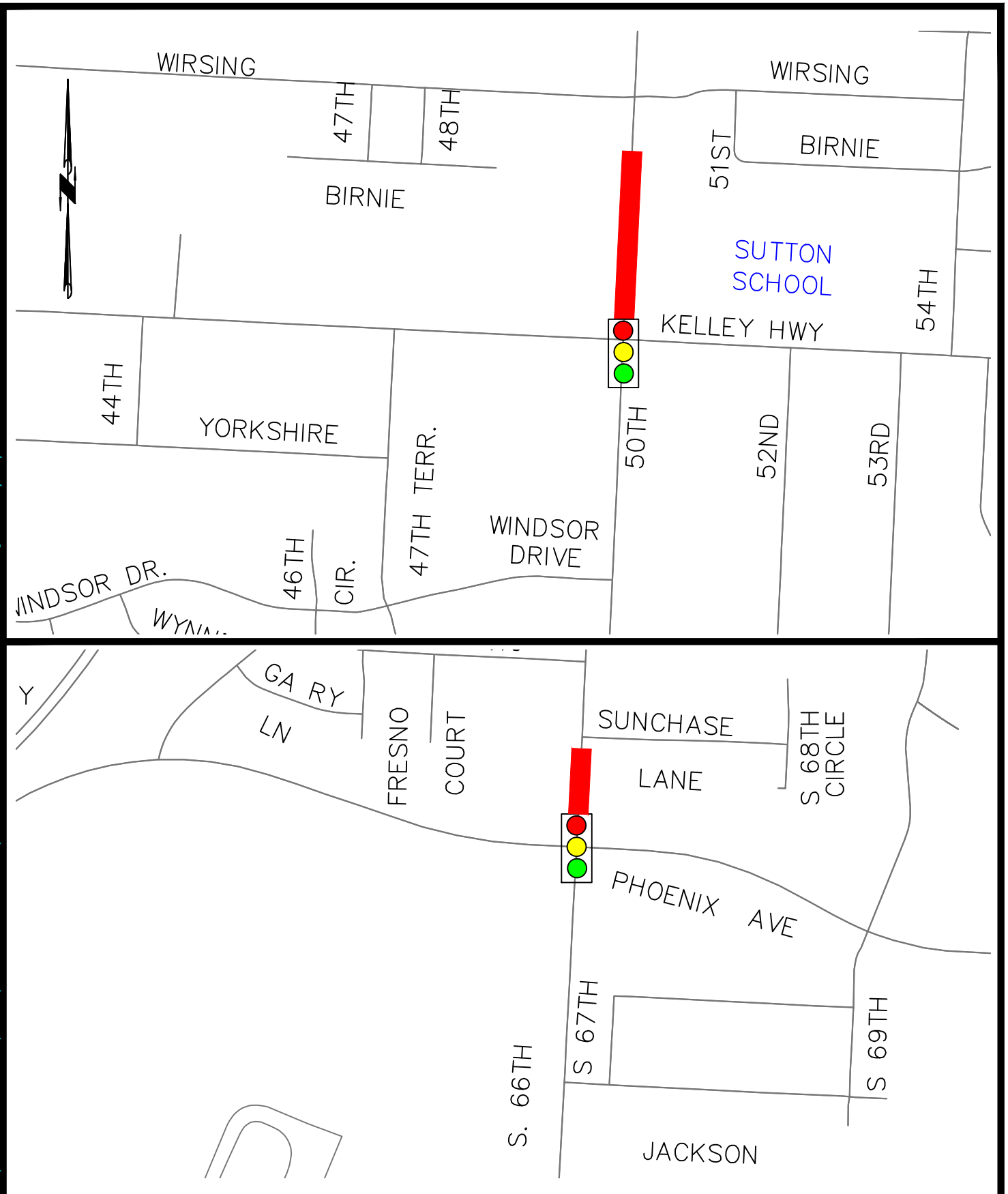
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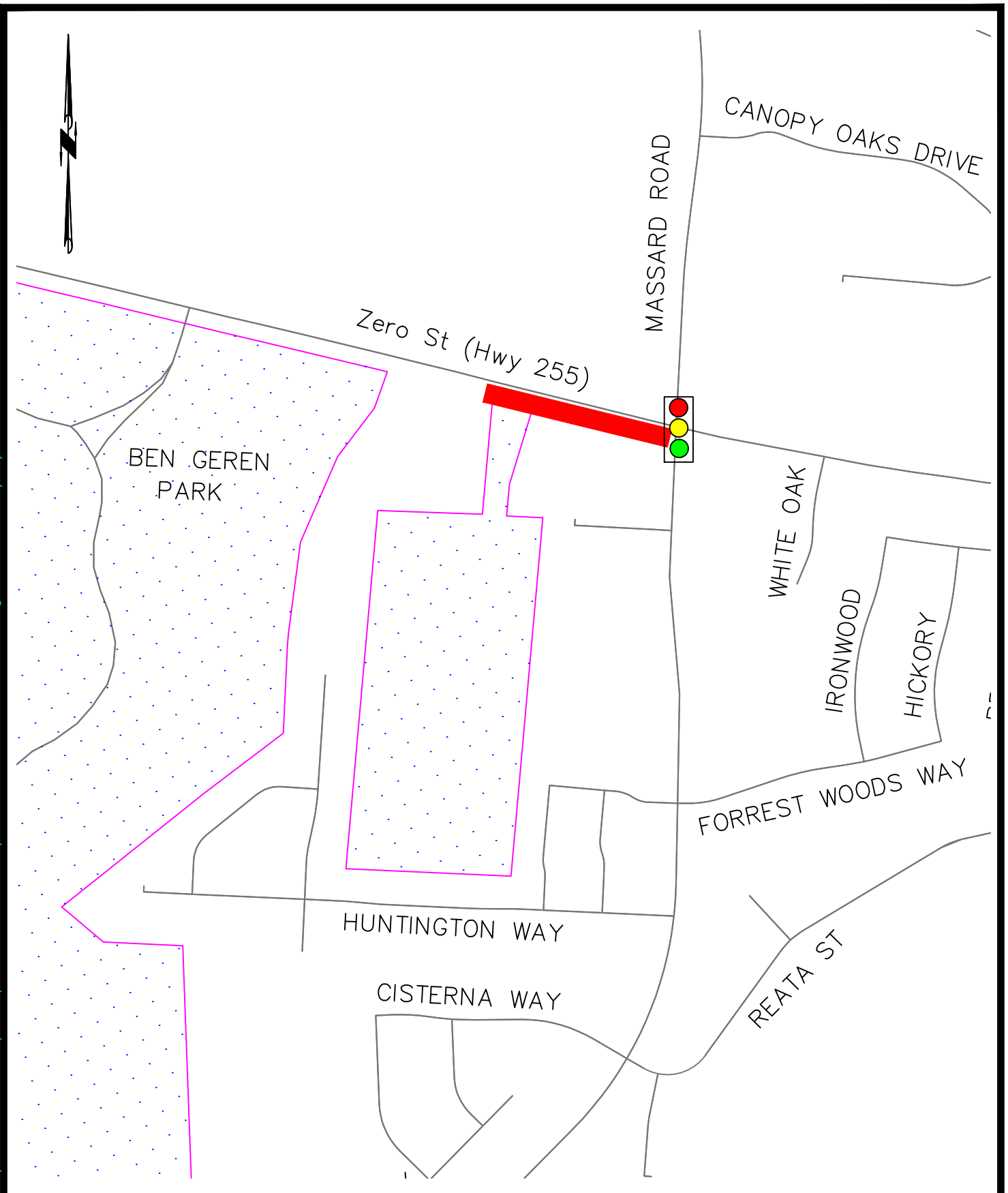
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2018 CAPITAL IMPROVEMENTS PROGRAM
INTERSECTION IMPROVEMENTS



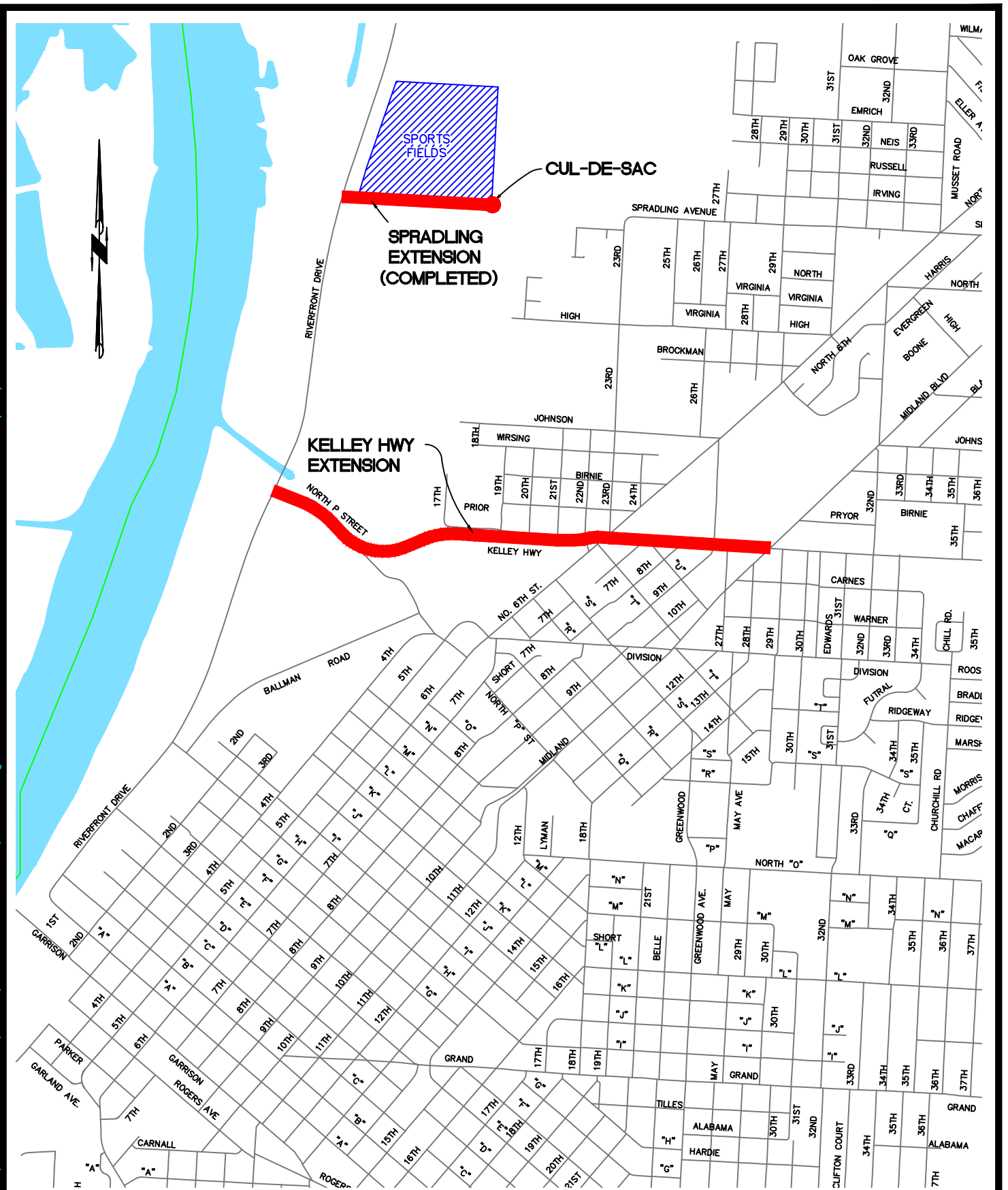
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2018 CAPITAL IMPROVEMENTS PROGRAM
INTERSECTION IMPROVEMENTS
ZERO AND MASSARD



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2018 CAPITAL IMPROVEMENTS PROGRAM
SPRADLING AVENUE AND
KELLEY HWY EXTENSIONS



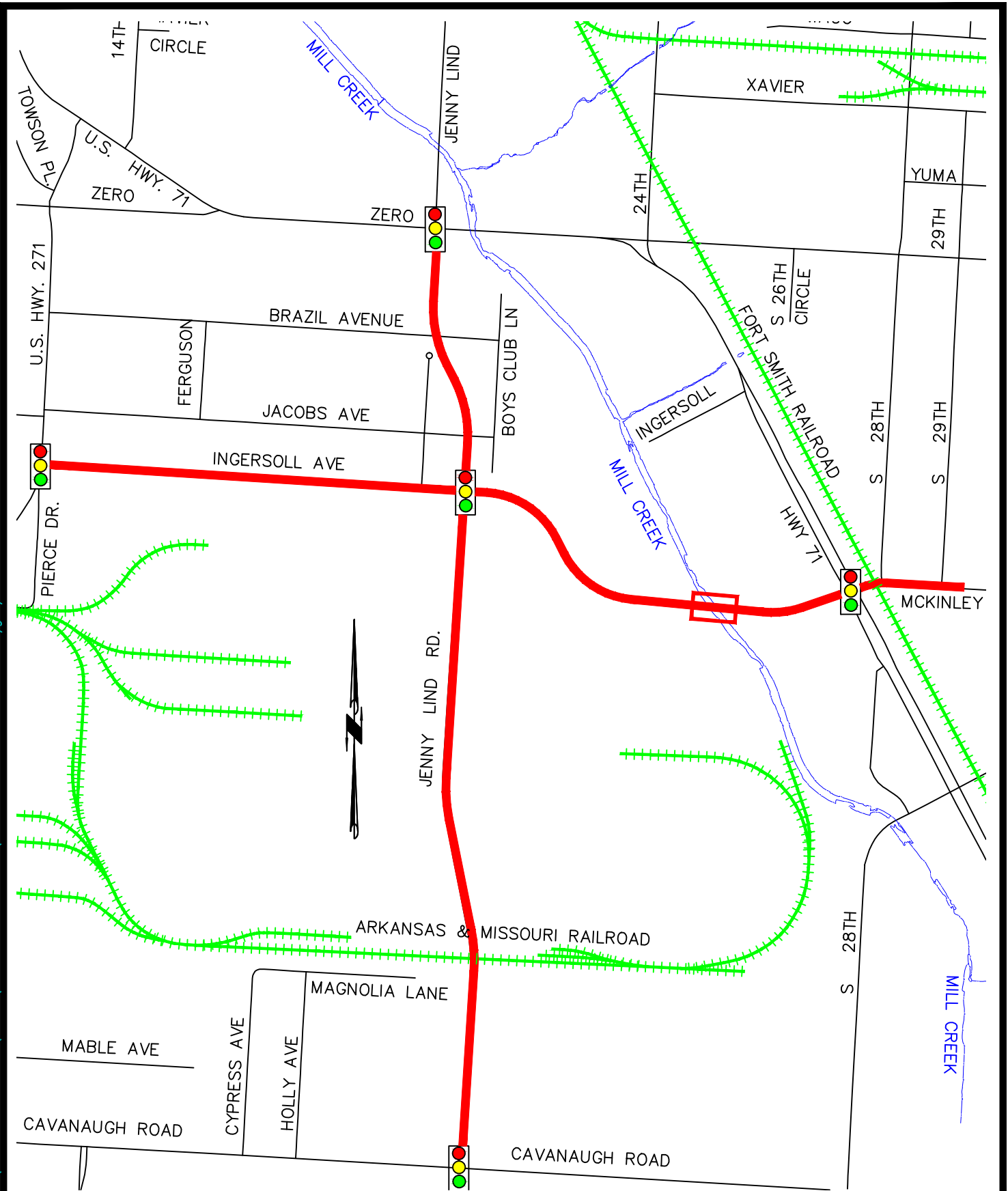
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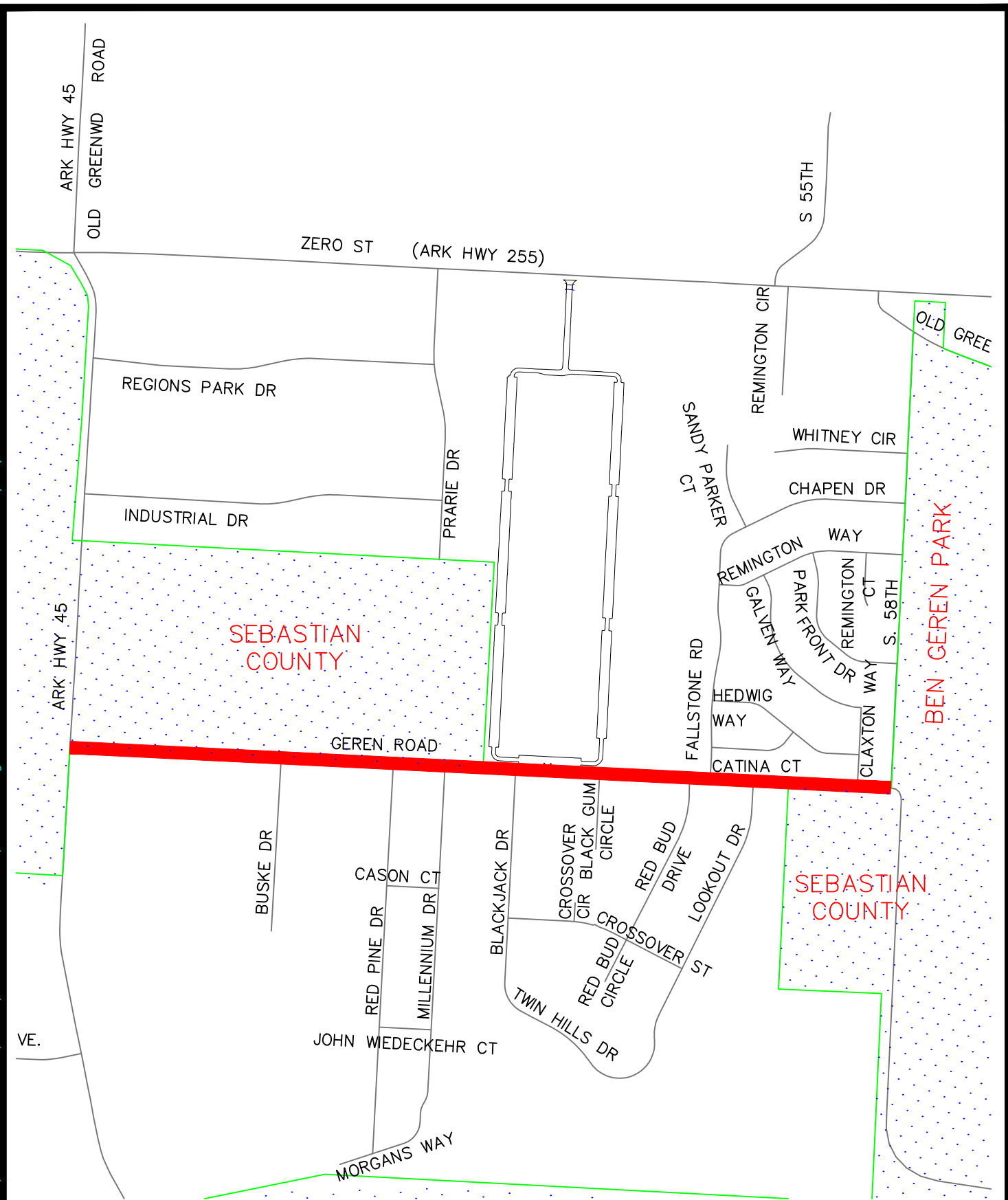
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2018 CAPITAL IMPROVEMENTS PROGRAM
JENNY LIND - INGERSOLL
ZERO STREET TO CAVANAUGH ROAD



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2018 CAPITAL IMPROVEMENTS PROGRAM
GEREN RD RECONSTRUCTION



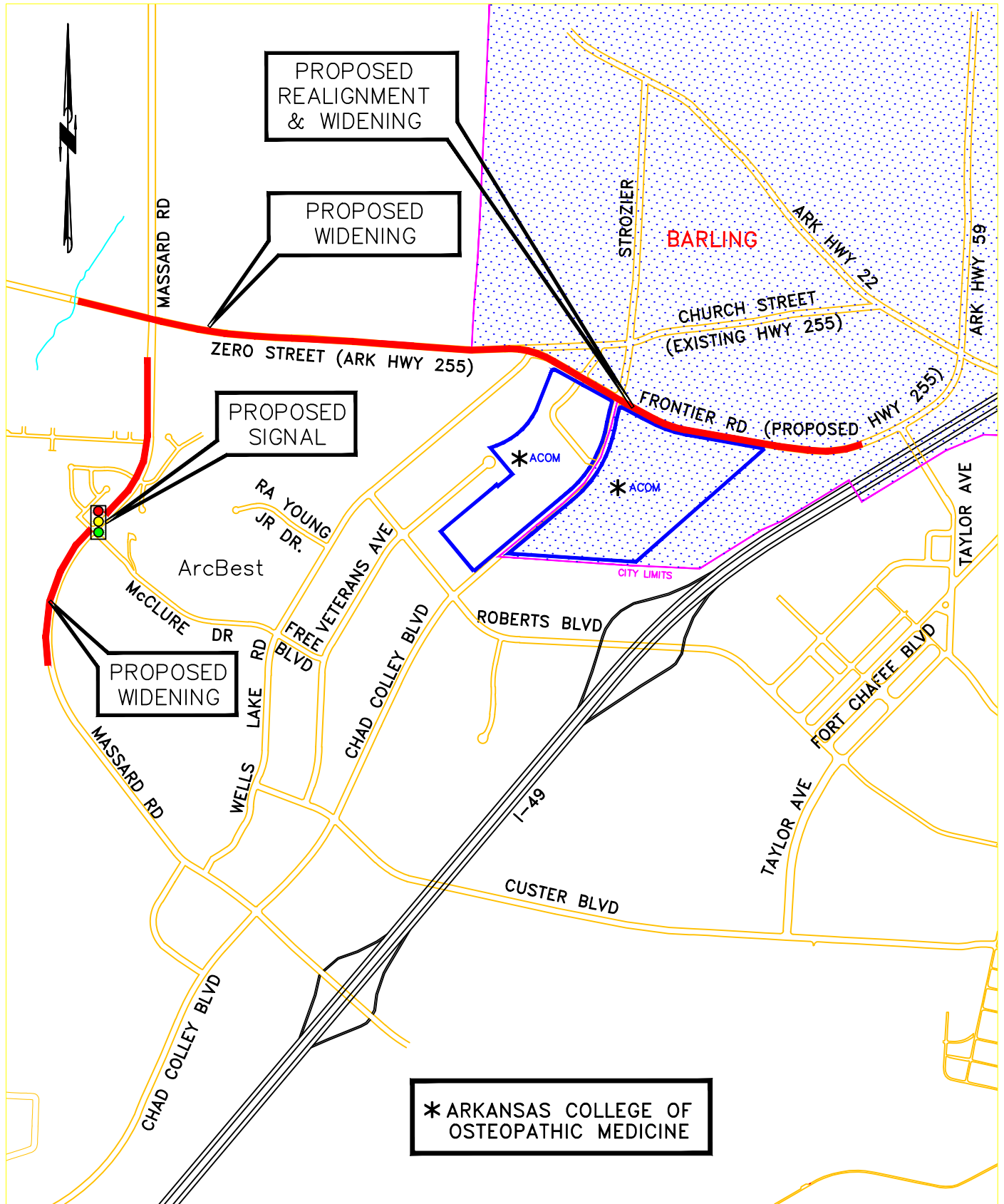
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2018 CAPITAL IMPROVEMENTS PROGRAM
ZERO STREET (ARK HWY 255)
MASSARD ROAD WIDENING



Project:

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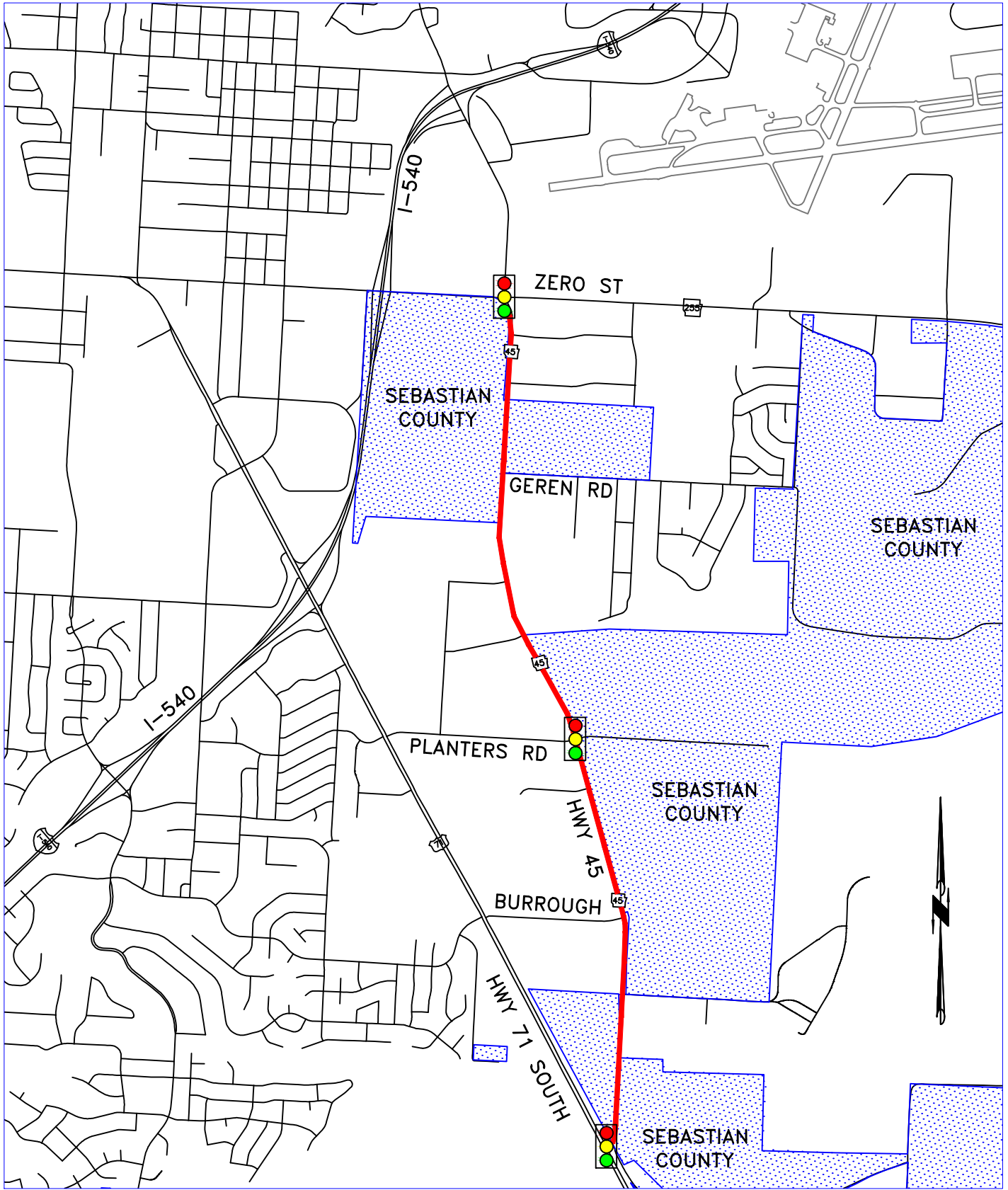
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**STORM DRAIN
IMPROVEMENT
(COMPLETED)**



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2018 CAPITAL IMPROVEMENTS PROGRAM
ARK HWY 45 WIDENING



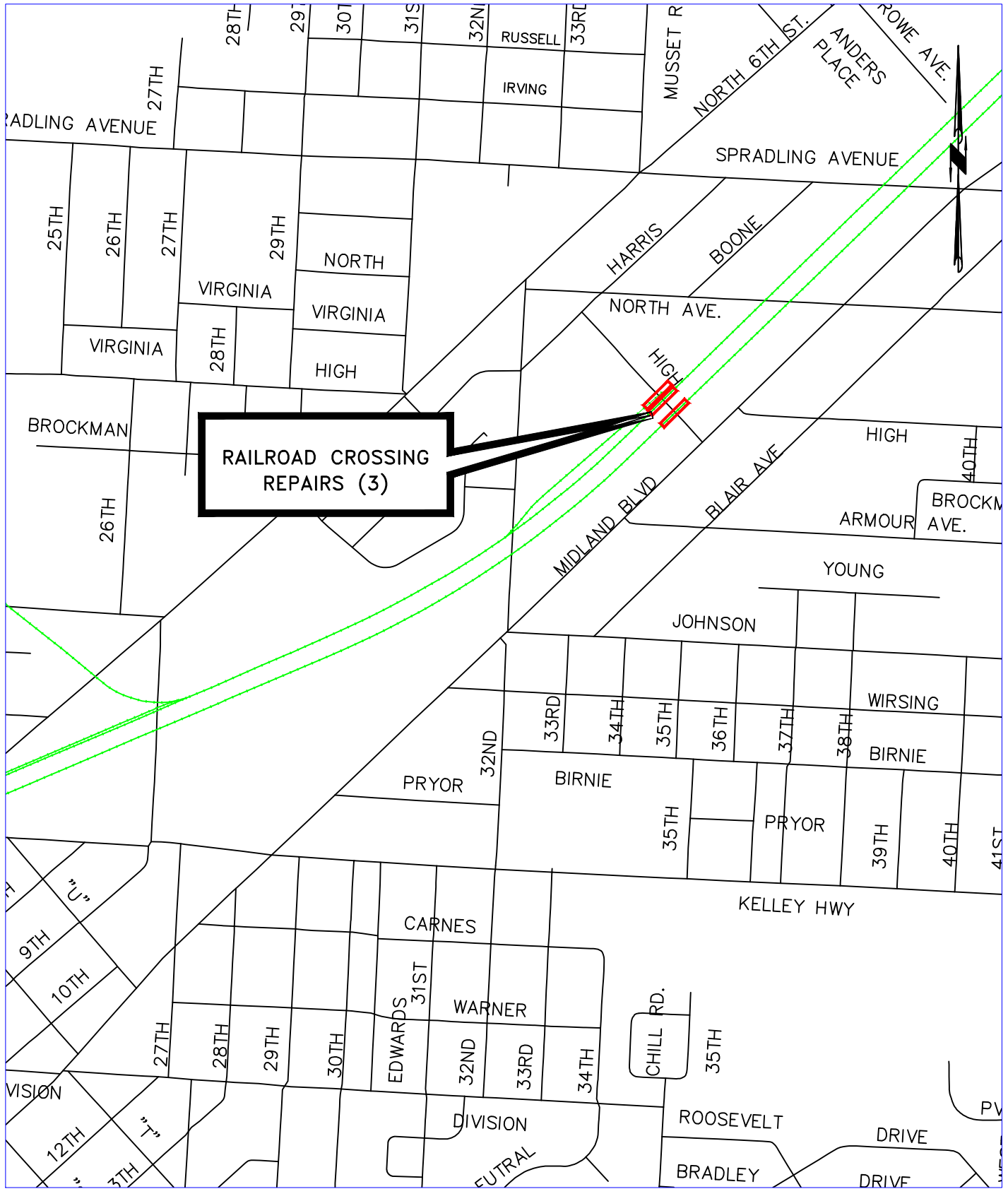
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2018 CAPITAL IMPROVEMENTS PROGRAM
RAILROAD CROSSING IMPROVEMENTS

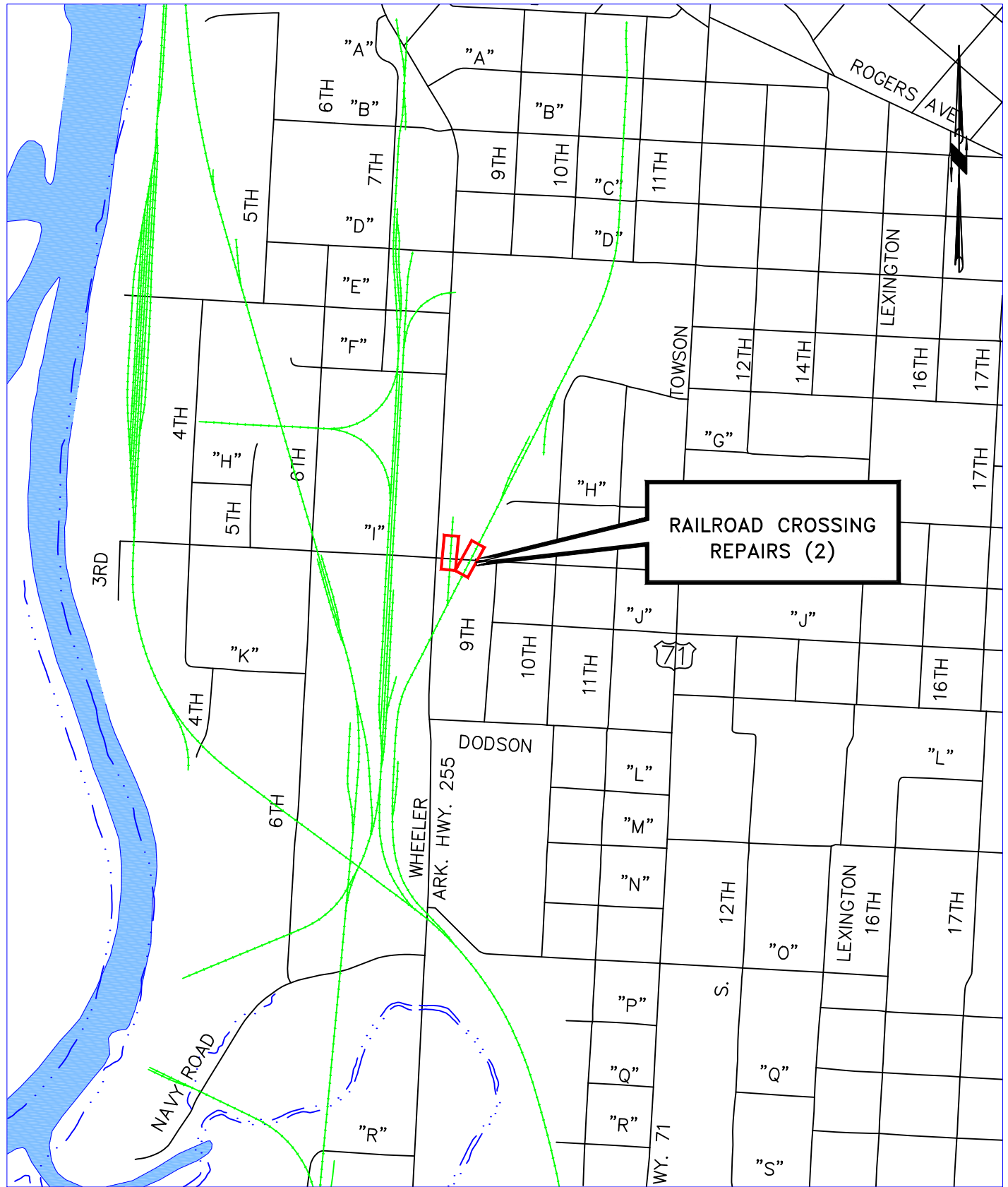


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2018 CAPITAL IMPROVEMENTS PROGRAM
RAILROAD CROSSING IMPROVEMENTS



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